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September 22, 2004

WRITER'S DIRECT NUMBER: (202) 772-8615 INTERNET ADDRESS: FRANKC@SKGF.COM

Mail Stop: Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/705,940; Filed: November 6, 2000

For: Dry Powder Cells and Cell Culture Reagents and Methods of

Production Thereof

Inventors:

Fike et al.

Our Ref:

0942.4290006/RWE/FRC

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Fee Transmittal Form (PTO/SB/17);
- 2. Fifth Supplemental Information Disclosure Statement;
- 3. Listing of the cited documents on Form PTO-1449 (7 sheets);
- 4. A copy of each of the thirty-two (32) cited documents on Form PTO-1449;
- 5. Credit Card Payment Form (PTO-2038) in the amount of \$180.00 to cover the IDS fee; and
- 6. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skqf.com

Commissioner for Patents September 22, 2004 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Frank R. Cottishin

Frank R. Cottingham Attorney for Applicants

Registration No. 50,437

FRC/pcd Encls.

312696v1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Fike et al.

Appl. No.: 09/705,940

Filed: November 6, 2000

For: Dry Powder Cells and Cell

Culture Reagents and Methods of

Production Thereof

Confirmation No.: 7464

Art Unit:

1636

Examiner:

Lambertson, D.

Atty. Docket: 0942.4290006/RWE/FRC

Fifth Supplemental Information Disclosure Statement

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§1.56, 1.97 and 1.98.

The numbering of this Fifth Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Fourth Supplemental Information Disclosure Statement filed on January 29, 2004, in connection with the above-captioned application. A copy of each document is also provided.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following, in regards to the non-English language documents AO5 and AP5 cited on Form PTO-1449:

Document AO5, Japanese Patent No. 59-501933, is in the Japanese language. An unverified English language abstract of document AO5 is attached as document AR19.

Document AP5, Japanese Patent No. 60-248172, is in the Japanese language. An unverified English language abstract of document AP5 is attached as document AS19.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is 09/23/2004 FMETEKI1 000000jin issung40Applicants have listed publication dates on the attached PTO-1449 based on

01 FC:1806 180.00 BP information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Fifth Supplemental Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Attached is a PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Frank R. Cottingham Attorney for Applicants

trank R. Cotti

Registration No. 50,437

Date: <u>SEPT. 22, 2004</u> 1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

Page 1 of 7 2 2 2004 APPLICATION NO. ATTY, DOCKET NO. 09/705,940 0942.4290006 **FORM PTO-1449** FIRST NAMED INVENTOR FIFTH SUPPLEMENTAL Fike et al. FILING DATE ART UNIT INFORMATION DISCLOSURE STATEM November 6, 2000 1636 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT CLASS SUB-CLASS **FILING DATE** INITIAL NUMBER DATE NAME 07/27/1953 99 AA4 2,835,586 05/20/1958 Peebles, D. 56 AB4 4,053,642 10/11/1977 Hup et al. 426 36 06/12/1975 240 06/16/1987 435 07/15/1983 AC4 4,673,649 Boyce et al. 5,773,061 426 285 05/15/1996 AD4 06/30/1998 Getler et al. 6,140,121 10/31/2000 Ellington et al. 435 374 10/17/1996 AE4 Biddle et al. 435 05/23/2000 AF4 6,627,426 09/30/2003 243 2004/0087022 05/06/2004 Fike et al. 435 404 10/16/2003 AG4 2003/0153079 08/14/2003 Fike et al. 435 404 12/02/2002 AH4 ΑĪ AJ AK **FOREIGN PATENT DOCUMENTS EXAMINER** DOCUMENT INITIAL NUMBER CLASS SUB-CLASS TRANSLATION DATE COUNTRY Yes AL5 WO 84/04107 10/25/1984 **WIPO** No Yes WO 95/00031 **WIPO** AM5 01/05/1995 No Yes AN5 WO 95/13865 05/26/1995 **WIPO** No Yes AO5 JP 59-501933 11/22/1984 Japan No Yes AP5 JP 60-248172 12/07/1985 No Japan OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR Barritault, D., et al., "Is There a Ubiquitous Growth Factor in the Eye? Proliferation Induced AS <u>13</u> in Different Cell Types by Eye-Derived Growth Factors," Differentiation 18: 29-42, Springer-Verlag (1981). BBL Manual of Products and Laboratory Procedures, Fifth Edition, pp. 161-162 (1973). AΤ <u>13</u>

EXAMINER DATE CONSIDERED

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APPLICATION NO. 09/705,940

Page 4 of 7

FIRST NAMED INVENTOR

Fike et al. FILING DATE

November 6, 2000

ART UNIT 1636

FORM PTO-1449

FIFTH SUPPLEMENTAL TRADE INFORMATION DISCLOSURE STATEMENT

and not considered. Include copy of this form with next communication to Applicant.

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Page 6 of 7 APPLICATION NO. ATTY. DOCKET NO. 09/705,940 0942.4290006 FORM PTO-1449 FIRST NAMED INVENTOR FIFTH SUPPLEMENTAL Fike et al. INFORMATION DISCLOSURE STAT ART UNIT FILING DATE November 6, 2000 1636 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT CLASS SUB-CLASS FILING DATE INITIAL NUMBER DATE NAME AA AB AC AD ΑE AF AG AH ΑI AJ AK **FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT** SUB-CLASS TRANSLATION COUNTRY **CLASS** DATE INITIAL NUMBER Yes ΑL No Yes AΜ No Yes ΑN No Yes AO No Yes ΑP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Wang, R.J., and Nixon, B. T., "Identification of Hydrogen Peroxide as a Photoproduct Toxic AR 18 to Human Cells in Tissue-Culture Medium Irradiated with "Daylight" Fluorescent Light." In Vitro 14: 715-722, Tissue Culture Association (1978). Waymouth, C., "Construction and Use of Synthetic Media," in Cells and Tissues in Culture, AS 18 Vol. 1, pp 99-142. Willmer, E. N., Ed., Academic Press, NY (1965). Waymouth, C., "Osmolality of Mammalian Blood and of Media for Culture of Mammalian ΑT <u>18</u> Cells," In Vitro 6: 109-127, Tissue Culture Association (1970). DATE CONSIDERED **EXAMINER**

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INFORMATION DISCLOSURE

PTO/SB/17 (10-03)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 199	35, no pers	ons are requir	red to r	respond to a collection of info	ormation unless it displays a	a valid OMB centrol numb	er.
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Applicant claims small entity status.	See 37 C	CFR 1.27		Art Unit	1636		
TOTAL AMOUNT OF PAYMENT (\$) 180.00			Attorney Docket No.	0942.4290006/RWE/FRC			
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Account Sterne, Kessler, Goldstein & Fox P.L.L.C.	1032	30	2032	23	cover sheet	
Name The Director is authorized to: (check all that apply)	1053	130	1053		Non-English specification	
X Charge fee(s) indicated below X Credit any overpayments	1812			_,	For filing a request for ex parte reexamination	
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FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
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1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
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SUBTOTAL (1) (\$)	1452	110	2452	55	Petition to revive - unavoidable	
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2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from	1501	1,330	2501	665	Utility issue fee (or reissue)	
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1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
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1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)	
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SUBMITTED BY				-	(Complete (if applicable))
Name (Print/Type)	Frank R. Cottingham	0 ,	Registration No. (Atterney/Agent)	50,437	Telephone	(202) 371-2600
Signature		trank R.	Cottishin		Date	SEPT. 22, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.